

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/000054

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7 C12N 5/00, C12N 5/06, A61K 9/00**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C12N 5/00, C12N 5/06, A61K 9/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
NCBI PubMed database, Delphion Research Intellectual Property network database, Espacenet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WENG, Y., CAO, Y., SILVA, C. A., VACANTI, C. A. 'Tissue-engineered composites of bone and cartilage for mandible condylar reconstruction' In J. Oral. Maxillofac. Surg. (Feb. 2001) Vol. 59(2):185-190 See the Materials and Methods in pages 186-187.	1-2
A	ISHAUG-RILEY, S. L., CRANE-KRUGER, G. M., YASZEMSKI, M. J., MIKOS, A. G. 'Three-dimensional culture of rat calvarial osteoblasts in porous biodegradable polymers' in Biomaterials (Aug. 1998) Vol. 19(15):1405-1412	1-13
A	PARTRIDGE, K., YANG, X., CLARKE, N. M., OKUBO, Y., BESSHIO, K., SEBALD, W., HOWDLE, S. M., SHAKESHEFF, K. M., OREFFO, R. O. 'Adenoviral BMP-2 gene transfer in mesenchymal stem cells: in vitro and in vivo bone formation on biodegradable polymer scaffolds' In Biochem. Biophys. Res. Commun. (22. Mar. 2002) Vol. 292(1):144-152	1-13
A	US 6303136B1 (NEUROTECH S. A., EVRY) 16. Oct. 2001	1-13

Further documents are listed in the continuation of Box C.

See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

13 APRIL 2004 (13.04.2004)

Date of mailing of the international search report

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Name and mailing address of the ISA/KR

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2004/000054

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6303136B1	16.10.2001	WO 99/52573A1 US 6627422 EP 1083945B1	21.10.1999 30.09.2003 26.06.2002